

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility application contents

Attorney Docket No.: 21108.0040U1

First Inventor: Stephanos Kyrkanides

Title: **VECTORS HAVING BOTH ISOFORMS OF BETA-  
HEXOSAMINIDASE AND USES OF THE SAME**

Express Mail Label No.: EL992018733US

ADDRESS TO: Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. ☒ **Specification** [Total Pages 197]  
(Includes description, claims, and abstract)

2. ☒ **Drawings** [Total Sheets 36]

3. ☐ **Oath or Declaration** [Total Pages ]

- a. ☐ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 20B completed)

4. ☐ **Application Data Sheet.** See 37 CFR 1.76  
[Total Pages \_\_\_\_]

5. ☒ **Nucleotide and/or Amino Acid Sequence  
Submission** (if applicable, all necessary)  
a. ☒ Computer Readable Form (CRF)  
--OR--  
☐ Statement under 37 CFR 1.821(e) (see Box 21  
for statement)  
b. ☒ Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☒ paper [Total Pages 44]  
c. ☒ The contents of the computer readable form of  
the sequence listing and the sequence listing in  
the specification of the application are the same.

6. ☐ **CD-ROM or CD-R** in duplicate, large tables or  
Computer Program (Appendix)

**ACCOMPANYING APPLICATION PARTS:**

7. ☐ Copy of Assignment  
8. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)  
9. ☐ Power of Attorney  
10. ☐ English Translation Document (if applicable)  
11. ☐ Information Disclosure Statement/PTO-1449  
☐ Copies of IDS Citations [Total Citations \_\_\_\_]  
12. ☐ Preliminary Amendment  
13. ☐ Certified Copy of Priority Document(s) (if foreign  
priority is claimed)  
14. ☐ Nonpublication Request under 35 USC 122(b)(2)(B)(i)  
(Must attach form PTO/SB/35 or equivalent).  
15. ☒ Authorization to Treat Reply Requiring Extension of  
Time as Incorporating Petition for Extension of Time  
16. ☒ Return Receipt Postcard (MPEP 503)  
17. ☐ Other: \_\_\_\_\_

18. The **FILING FEE** is calculated as follows: (Claims as filed, less any claims cancelled by Amendment)


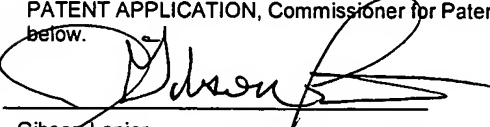
Claims	Number Filed	Number Extra	Rate	\$770.00 (Basic Fee)
Total claims	[132] - 20 =	112	X \$18.00	\$2016.00
Independent claims	[10] - 3 =	7	X \$84.00	\$ 588.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 280.00	\$
TOTAL OF ABOVE CALCULATIONS =				\$3374.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees are reduced by 1/2. -				\$1687
TOTAL FILING FEE =				\$1687

**19. Payment:**

- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed.  
☒ Credit Card Payment Form PTO-2038 Authorizing Payment in the amount of \$1687.00 is enclosed.  
☒ The Commissioner is hereby authorized to charge any additional amount due or credit any overpayment to  
Deposit Account No. 14-0629.

17497 U.S. PTO  
10/781142

021804

20A.	<input type="checkbox"/>	This application is an original application ( <u>not</u> a continuation, divisional or continuation-in-part).
20B.	<input checked="" type="checkbox"/>	This application is a <input checked="" type="checkbox"/> continuation-in-part / <input type="checkbox"/> continuation / <input type="checkbox"/> divisional of prior Application No. PCT/US03/13672 which claims priority to provisional application No. 60/377,503 The prior application was assigned to Examiner: _____
	<input type="checkbox"/>	This application is a continuation or divisional application ( <u>not</u> a continuation-in-part) that: (i) names as inventors the same or fewer than all the inventors named in the prior application; and (ii) contains no matter that would have been new matter in the prior application; and (iii) a copy of the executed oath or declaration in the prior application, showing the signature or an indication thereon that it was signed: <div style="margin-left: 40px;"><input type="checkbox"/> is enclosed. <input type="checkbox"/> will follow.</div>
	<input type="checkbox"/>	This application is a continuation or divisional application ( <u>not</u> a continuation-in-part) that is being filed by less than all the inventors named in the prior application. In accordance with 37 C.F.R. §1.63(d)(2), the Commissioner is requested to delete the name(s) of the following person who are not inventors of the invention being claimed in this application:  _____
	<input type="checkbox"/>	This application is a continuation-in-part, continuation or divisional application naming an inventor not named in the prior application. A newly executed oath or declaration: <div style="margin-left: 40px;"><input type="checkbox"/> is enclosed. <input type="checkbox"/> will follow.</div>
21.	<input type="checkbox"/>	A sequence listing in computer readable form in compliance with 37 C.F.R. §§ 1.821-1.825 was submitted on _____ in prior Application No. _____, filed _____. Pursuant to 37 C.F.R. § 1.821(e), applicant hereby requests that the computer readable form of the sequence listing submitted in the above-referenced prior application be used as the computer readable form of the sequence listing for the new application. The paper or compact disk copy of the Sequence Listing in the new application is identical to the computer readable copy filed in the prior application.
22.	<input type="checkbox"/>	This application claims foreign priority benefits under 35 USC 119(a)-(d) or 365(b) of any foreign application(s) listed below, or under 35 USC 365(a) or 365(b) of any PCT application listed below.
23. Address all correspondence to the address associated with: <span style="float: right;">CUSTOMER NO. 23859</span>		
Name of Attorney/Agent: David E. Huizenga, Ph.D.		Registration No.: 49,026
Signature: 		Date: _____
<p style="text-align: center;"><b>Certificate of Express Mailing Under 37 C.F.R. § 1.10</b></p> <p>I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as Express Mail, Label No. EL 99 201 8733 US, in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="width: 40%;"> Gibson Lanier</div><div style="width: 40%; text-align: right;"><div style="font-size: 1.5em; margin-bottom: 5px;">2/18/04</div>_____ Date</div></div>		

ATTORNEY DOCKET NO. 21108.0040U1  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	)	
	)	
KYRKANIDES, Stephanos	)	Art Unit: Unassigned
	)	
Application No. Unassigned	)	Examiner: Unassigned
	)	
Filing Date: February 18, 2004	)	Confirmation No. Unassigned
	)	
For: VECTORS HAVING BOTH ISOFORMS	)	
OF BETA-HEXOSAMINIDASE AND	)	
USES OF THE SAME	)	

**AUTHORIZATION TO TREAT REPLY REQUIRING EXTENSION OF TIME**  
**AS INCORPORATING PETITION FOR EXTENSION OF TIME**

**Mail Stop, PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer Number 23859

Sir:

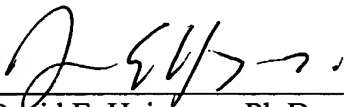
Pursuant to 37 C.F.R. §1.136(a)(3), the Commissioner is hereby requested and authorized to treat any concurrent or future reply in the above-identified application, requiring a petition for an extension of time for its timely submission, as incorporating a petition for extension of time for the appropriate length of time.

ATTORNEY DOCKET NO. 21108.0040U1

The Commissioner is hereby authorized to charge any additional amount which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

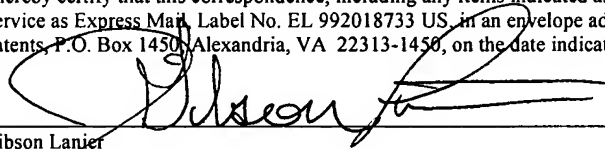
NEEDLE & ROSENBERG, P.C.

  
\_\_\_\_\_  
David E. Huizenga, Ph.D.  
Registration No. 49,026

NEEDLE & ROSENBERG, P.C.  
Customer Number 23859  
(678) 420-9300  
(678) 420-9301 (fax)

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as Express Mail, Label No. EL 992018733 US, in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

  
\_\_\_\_\_  
Gibson Lanier

Date

2/18/04